

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/050352

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L12/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, PAJ, WPI Data, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>WO 02/080405 A (PEARSON IAN DAVID ;BRITISH TELECOMM (GB)) 10 October 2002 (2002-10-10) page 1, line 4 - line 5 page 2, line 22 - line 33 page 3, line 32 -page 4, line 26 page 5, line 24 -page 8, line 3 page 9, line 20 -page 10, line 25 page 11, line 28 -page 12, line 23 figures 1-3</p> <p style="text-align: center;">--- -/-</p>	1-33

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

6 July 2004

Date of mailing of the international search report

13/07/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 02/51038 A (BENSON MAYA ;KOURTIS STAMATIS (GB); MOTOROLA INC (US); KOTZIN MICH) 27 June 2002 (2002-06-27) page 1, line 1 - line 6 page 4, line 1 - line 25 page 5, line 1 - line 30 page 6, line 19 -page 9, line 19 figures 1-3 ---	1-33
A	US 2002/187746 A1 (LIN PHONE ET AL) 12 December 2002 (2002-12-12) page 1, paragraph 1 page 2, paragraph 13 - paragraph 14 page 3, paragraph 33 -page 4, paragraph 40 figures 5-7 ---	1-33
E	EP 1 416 754 A (NTT DOCOMO INC) 6 May 2004 (2004-05-06) column 2, line 52 -column 3, line 25 column 4, line 17 - line 40 column 5, line 52 -column 6, line 30 column 7, line 17 - line 46 figure 5 ---	11
A	HARROLD T J ET AL: "Capacity enhancement using intelligent relaying for future personal communication systems" VTC 2000, vol. 5, 24 September 2000 (2000-09-24), pages 2115-2120, XP010522161 the whole document ---	1-33
A	EP 1 294 135 A (MOTOROLA INC) 19 March 2003 (2003-03-19) column 1, line 5 - line 9 column 6, line 22 - line 33 column 17, line 30 - line 52 figure 1 ---	1-33
X	WO 03/015445 A (NAKAGAWA TOMOHIRO ;SUGIMURA TOSHIKI (JP); ISODA YOSHINORI (JP); N) 20 February 2003 (2003-02-20) page 3, line 14 - line 25 page 5, line 7 - line 13 page 6, line 24 -page 7, line 20 page 8, line 18 -page 9, line 9 -----	11

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 02080405	A	10-10-2002	CA 2442269 A1 EP 1374449 A1 WO 02080405 A1	10-10-2002 02-01-2004 10-10-2002
WO 0251038	A	27-06-2002	GB 2375920 A AU 1404602 A WO 0251038 A1	27-11-2002 01-07-2002 27-06-2002
US 2002187746	A1	12-12-2002	NONE	
EP 1416754	A	06-05-2004	EP 1416754 A1 US 2004023650 A1 WO 03015445 A1	06-05-2004 05-02-2004 20-02-2003
EP 1294135	A	19-03-2003	EP 1294135 A1 WO 03026231 A1	19-03-2003 27-03-2003
WO 03015445	A	20-02-2003	EP 1416754 A1 WO 03015445 A1 US 2004023650 A1	06-05-2004 20-02-2003 05-02-2004